



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: James Molenda, et al.  
SERIAL NO.: 09/727,111 CONF. NO. 6816  
FILING DATE: November 29, 2000  
TITLE: UNPOWERED TWISTED PAIR LOOPBACK CIRCUIT FOR  
DIFFERENTIAL MODE SIGNALING  
EXAMINER: Harold, Jefferey F.  
TELEPHONE: (571) 272-7519  
ART UNIT: 2614

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**CERTIFICATE OF MAILING**

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450, on the date printed below:

Date: 4/24/07 Name: Sharon E. Byam  
Sharon E. Byam

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Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

Dear Sir:

This paper is responsive to the Office Action mailed January 24, 2007. Please amend the above-identified application as follows:

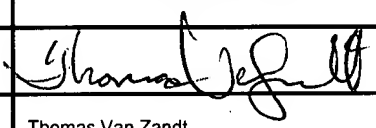
**A listing of claims**, begins on page 2 of this paper.

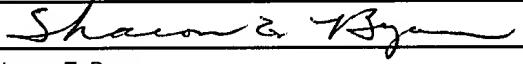
**Remarks** begin on page 21 of this paper.

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JFW

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|---|------------------------|-------------------------|
| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing)<br>Total Number of Pages in This Submission | Application Number     | 09/727,111              |
|   | Filing Date            | November 29, 2000       |
|   | First Named Inventor   | James Molenda, et al.   |
|   | Art Unit               | 2614                    |
|   | Examiner Name          | Harold, Jefferey F.     |
| 24  | Attorney Docket Number | CISCO-2916 (032590-108) |

| ENCLOSURES (check all that apply)   |   |  |
|---|---|--|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>Return Postcard |
| <b>Remarks</b>  |   |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |          |        |
|--|---|----------|--------|
| Firm                                       | THELEN REID BROWN RAYSMAN & STEINER LLP   |          |        |
| Signature                                  |  |          |        |
| Printed Name                               | Thomas Van Zandt  |          |        |
| Date                                       | April 24, 2007  | Reg. No. | 43,219 |

| CERTIFICATE OF TRANSMISSION/MAILING   |   |      |                |
|---|---|------|----------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. |   |      |                |
| Signature   |  |      |                |
| Typed or printed name   | Sharon E. Byam  | Date | April 24, 2007 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.